

Adnan Memic

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

6,509
citations

33
h-index

80
g-index

102
ext. papers

7,943
ext. citations

6.3
avg, IF

6.19
L-index

#	Paper	IF	Citations
92	Antimicrobial activity of metal oxide nanoparticles against Gram-positive and Gram-negative bacteria: a comparative study. <i>International Journal of Nanomedicine</i> , 2012 , 7, 6003-9	7.3	783
91	Electrospun scaffolds for tissue engineering of vascular grafts. <i>Acta Biomaterialia</i> , 2014 , 10, 11-25	10.8	512
90	Size-dependent antimicrobial properties of CuO nanoparticles against Gram-positive and -negative bacterial strains. <i>International Journal of Nanomedicine</i> , 2012 , 7, 3527-35	7.3	467
89	Self-assembled peptide-based nanostructures: Smart nanomaterials toward targeted drug delivery. <i>Nano Today</i> , 2016 , 11, 41-60	17.9	364
88	Drug delivery systems and materials for wound healing applications. <i>Advanced Drug Delivery Reviews</i> , 2018 , 127, 138-166	18.5	294
87	Mesenchymal stem cells in regenerative medicine: Focus on articular cartilage and intervertebral disc regeneration. <i>Methods</i> , 2016 , 99, 69-80	4.6	263
86	The role of metabolism in the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2017 , 13, 302-311	8.1	262
85	Carbon Nanotubes in Biomedical Applications: Factors, Mechanisms, and Remedies of Toxicity. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 8149-67	8.3	222
84	Microfluidic techniques for development of 3D vascularized tissue. <i>Biomaterials</i> , 2014 , 35, 7308-25	15.6	215
83	Nanoparticles in tissue engineering: applications, challenges and prospects. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5637-5655	7.3	188
82	Chondrocyte and mesenchymal stem cell-based therapies for cartilage repair in osteoarthritis and related orthopaedic conditions. <i>Maturitas</i> , 2014 , 78, 188-98	5	178
81	Osteoarthritis in the XXIst century: risk factors and behaviours that influence disease onset and progression. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 6093-112	6.3	172
80	Mesenchymal stem cells in regenerative medicine: opportunities and challenges for articular cartilage and intervertebral disc tissue engineering. <i>Journal of Cellular Physiology</i> , 2010 , 222, 23-32	7	153
79	Mesenchymal stem cells: Identification, phenotypic characterization, biological properties and potential for regenerative medicine through biomaterial micro-engineering of their niche. <i>Methods</i> , 2016 , 99, 62-8	4.6	149
78	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 4814-4826	15.6	148
77	Latest Progress in Electrospun Nanofibers for Wound Healing Applications.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 952-969	4.1	142
76	High-energy ball milling technique for ZnO nanoparticles as antibacterial material. <i>International Journal of Nanomedicine</i> , 2011 , 6, 863-9	7.3	138

75	Nanoengineered biomimetic hydrogels for guiding human stem cell osteogenesis in three dimensional microenvironments. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3544-3554	7.3	122
74	Aligned carbon nanotube-based flexible gel substrates for engineering bio-hybrid tissue actuators. <i>Advanced Functional Materials</i> , 2015 , 25, 4486-4495	15.6	116
73	Latest Advances in Cryogel Technology for Biomedical Applications. <i>Advanced Therapeutics</i> , 2019 , 2, 1800114	4.9	105
72	Magnetic Nanoparticles in Cancer Therapy and Diagnosis. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1901058	10.5	96
71	Myotube formation on gelatin nanofibers - multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014 , 35, 6268-77	15.6	93
70	A multilayered microfluidic blood vessel-like structure. <i>Biomedical Microdevices</i> , 2015 , 17, 88	3.7	82
69	Injectable Cryogels for Biomedical Applications. <i>Trends in Biotechnology</i> , 2020 , 38, 418-431	15.1	74
68	Hydrogels 2.0: improved properties with nanomaterial composites for biomedical applications. <i>Biomedical Materials (Bristol)</i> , 2015 , 11, 014104	3.5	67
67	Biodegradable elastic nanofibrous platforms with integrated flexible heaters for on-demand drug delivery. <i>Scientific Reports</i> , 2017 , 7, 9220	4.9	67
66	Injectable Hyaluronic Acid--Gelatin Cryogels for Tissue-Engineering Applications. <i>Materials</i> , 2018 , 11,	3.5	54
65	Paper microchip with a graphene-modified silver nano-composite electrode for electrical sensing of microbial pathogens. <i>Nanoscale</i> , 2017 , 9, 1852-1861	7.7	48
64	Regulation of chondrogenesis by protein kinase C: Emerging new roles in calcium signalling. <i>Cellular Signalling</i> , 2014 , 26, 979-1000	4.9	47
63	Nano-Enabled Approaches for Stem Cell-Based Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1533-53	10.1	43
62	Bioprinting technologies for disease modeling. <i>Biotechnology Letters</i> , 2017 , 39, 1279-1290	3	39
61	Advances in Candida detection platforms for clinical and point-of-care applications. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 441-458	9.4	36
60	Targeting GIPC/synectin in pancreatic cancer inhibits tumor growth. <i>Clinical Cancer Research</i> , 2009 , 15, 4095-103	12.9	34
59	Electrospun cellulose Nano fibril reinforced PLA/PBS composite scaffold for vascular tissue engineering. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	32
58	A Comprehensive Review of Stem Cells for Cartilage Regeneration in Osteoarthritis. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1089, 23-36	3.6	31

57	Formation of Carbon Nanotubes from Carbon-Rich Fly Ash: Growth Parameters and Mechanism. <i>Materials and Manufacturing Processes</i> , 2016 , 31, 146-156	4.1	30
56	Hybrid Paper-Plastic Microchip for Flexible and High-Performance Point-of-Care Diagnostics. <i>Advanced Functional Materials</i> , 2018 , 28, 1707161	15.6	30
55	Ni Doped CuO Nanoparticles: Structural and Optical Characterizations. <i>Current Nanoscience</i> , 2015 , 11, 191-197	1.4	30
54	Process-Structure-Quality Relationships of Three-Dimensional Printed Poly(Caprolactone)-Hydroxyapatite Scaffolds. <i>Tissue Engineering - Part A</i> , 2020 , 26, 279-291	3.9	29
53	Fabrication and characterization of poly (aniline-co-o-anthranilic acid)/magnetite nanocomposites and their application in wastewater treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 520, 121-130	5.1	26
52	Size controlled, antimicrobial ZnO nanostructures produced by the microwave assisted route. <i>Materials Science and Engineering C</i> , 2019 , 99, 1164-1173	8.3	25
51	Oxygen-Releasing Antibacterial Nanofibrous Scaffolds for Tissue Engineering Applications. <i>Polymers</i> , 2020 , 12,	4.5	22
50	Pathogenesis of Thromboembolism and Endovascular Management. <i>Thrombosis</i> , 2017 , 2017, 3039713		22
49	T7 phage display as a method of peptide ligand discovery for PDZ domain proteins. <i>Biopolymers</i> , 2009 , 92, 183-93	2.2	22
48	Gelatin-Based Biomaterials For Tissue Engineering And Stem Cell Bioengineering 2016 , 37-62		21
47	Autoclavable and Injectable Cryogels for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900679	10.1	21
46	How do halogen substituents contribute to protein-binding interactions? A thermodynamic study of peptide ligands with diverse aryl halides. <i>ChemBioChem</i> , 2008 , 9, 2793-5	3.8	20
45	Rapid fabrication of highly porous and biocompatible composite textile tubular scaffold for vascular tissue engineering. <i>European Polymer Journal</i> , 2017 , 96, 27-43	5.2	18
44	Nanocomposites of CuO/SWCNT: Promising thermoelectric materials for mid-temperature thermoelectric generators. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3307-3314	6	17
43	The Effect of Poly (Glycerol Sebacate) Incorporation within Hybrid Chitin-Lignin Sol-Gel Nanofibrous Scaffolds. <i>Materials</i> , 2018 , 11,	3.5	17
42	Microfibrous silver-coated polymeric scaffolds with tunable mechanical properties. <i>RSC Advances</i> , 2017 , 7, 34331-34338	3.7	17
41	Nanofibrous Silver-Coated Polymeric Scaffolds with Tunable Electrical Properties. <i>Nanomaterials</i> , 2017 , 7,	5.4	17
40	Supramolecular Self-Assembled Peptide-Based Vaccines: Current State and Future Perspectives. <i>Frontiers in Chemistry</i> , 2020 , 8, 598160	5	16

39	Ser/Thr-phosphoprotein phosphatases in chondrogenesis: neglected components of a two-player game. <i>Cellular Signalling</i> , 2014 , 26, 2175-85	4.9	15
38	Sustainable drug release from polycaprolactone coated chitin-lignin gel fibrous scaffolds. <i>Scientific Reports</i> , 2020 , 10, 20428	4.9	15
37	Label-free electrical sensing of bacteria in eye wash samples: A step towards point-of-care detection of pathogens in patients with infectious keratitis. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 32-39	11.8	13
36	Study of Electrospinning Parameters and Collection Methods on Size Distribution and Orientation of PLA/PBS Hybrid Fiber Using Digital Image Processing. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 8240-8251	1.3	13
35	Effect of Polymer Concentration on Autoclaved Cryogel Properties. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 1900824	3.9	12
34	Polymeric Biomaterials for Implantable Prostheses 2014 , 309-331		12
33	In situ printing of scaffolds for reconstruction of bone defects. <i>Acta Biomaterialia</i> , 2021 , 127, 313-326	10.8	12
32	Graphene and Graphene-Based Materials in Biomedical Applications. <i>Current Medicinal Chemistry</i> , 2019 , 26, 6834-6850	4.3	11
31	Carbon rich fly ash and their nanostructures. <i>Carbon Letters</i> , 2016 , 19, 23-31	2.3	11
30	Electroconductive biomaterials for cardiac tissue engineering. <i>Acta Biomaterialia</i> , 2021 , 139, 118-118	10.8	11
29	3D Printing of Metal/Metal Oxide Incorporated Thermoplastic Nanocomposites With Antimicrobial Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 568186	5.8	10
28	Encapsulation of 5-Fluorouracil into PLGA Nanofibers and Enhanced Anticancer Effect in Combination with Ajwa-Dates-Extract (.). <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 553-563	4	10
27	Syntheses and characterization of thin films of Te ₉₄ Se ₆ nanoparticles for semiconducting and optical devices. <i>Thin Solid Films</i> , 2013 , 531, 70-75	2.2	9
26	The Potency of Induced Pluripotent Stem Cells in Cartilage Regeneration and Osteoarthritis Treatment. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1079, 55-68	3.6	9
25	Needle-injectable microcomposite cryogel scaffolds with antimicrobial properties. <i>Scientific Reports</i> , 2020 , 10, 18370	4.9	9
24	Future Cell and Gene Therapy for Osteoarthritis (OA): Potential for Using Mammalian Protein Production Platforms, Irradiated and Transfected Protein Packaging Cell Lines for Over-Production of Therapeutic Proteins and Growth Factors. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1217, 17-31	3.6	8
23	Tunable fabrication of rice-like nanostructures aggregated into flowers of Alq ₃ with negligible photo-degradation for potential biomedical applications. <i>Materials Chemistry and Physics</i> , 2021 , 259, 124080	4.4	8
22	Size controlled ultrafine CeO nanoparticles produced by the microwave assisted route and their antimicrobial activity. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 177	4.5	7

21	Cell and Gene Therapy for Spine Regeneration: Mammalian Protein Production Platforms for Overproduction of Therapeutic Proteins and Growth Factors. <i>Neurosurgery Clinics of North America</i> , 2020 , 31, 131-139	4	7
20	Non-viral Gene Therapy for Osteoarthritis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 618399	5.8	7
19	Injectable Lignin--Gelatin Cryogels with Antioxidant and Antibacterial Properties for Biomedical Applications. <i>Biomacromolecules</i> , 2021 , 22, 4110-4121	6.9	7
18	The first observation of memory effects in the infrared (FT-IR) measurements: do successive measurements remember each other?. <i>PLoS ONE</i> , 2014 , 9, e94305	3.7	6
17	3D-Printed Hydrogel-Filled Microneedle Arrays. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001922	10.1	6
16	Finding the winning combination. Combinatorial screening of three dimensional niches to guide stem cell osteogenesis. <i>Organogenesis</i> , 2014 , 10, 299-302	1.7	4
15	Oxygen-Generating Cryogels Restore T Cell Mediated Cytotoxicity in Hypoxic Tumors. <i>Advanced Functional Materials</i> , 2021 , 31, 2102234	15.6	4
14	Over-Production of Therapeutic Growth Factors for Articular Cartilage Regeneration by Protein Production Platforms and Protein Packaging Cell Lines. <i>Biology</i> , 2020 , 9,	4.9	3
13	Mesenchymal Stem Cells and their Potential for Microengineering the Chondrocyte Niche. <i>EBioMedicine</i> , 2015 , 2, 1560-1	8.8	3
12	Raman Spectra of Nanodiamonds: New Treatment Procedure Directed for Improved Raman Signal Marker Detection. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-11	1.1	3
11	Apparent structural differences at the tetramerization region of erythroid and nonerythroid beta spectrin as discriminated by phage displayed scFvs. <i>Protein Science</i> , 2011 , 20, 867-79	6.3	3
10	Oxygen-generating cryogels restore T cell-mediated cytotoxicity in hypoxic tumors		3
9	Size-controlled, single-crystal CuO nanosheets and the resulting polyethyleneCarbon nanotube nanocomposite as antimicrobial materials. <i>Polymer Bulletin</i> , 2021 , 78, 261-281	2.4	3
8	Generation of recombinant guinea pig antibody fragments to the human GABAC receptor. <i>Journal of Immunological Methods</i> , 2011 , 368, 36-44	2.5	2
7	Subunit-specific polyclonal antibody targeting human α GABA(C) receptor. <i>Experimental Eye Research</i> , 2011 , 93, 59-64	3.7	1
6	(Bio)manufactured Solutions for Treatment of Bone Defects with an Emphasis on US-FDA Regulatory Science Perspective. <i>Advanced NanoBiomed Research</i> , 2100073	0	1
5	Application of wavelet transform for PDZ domain classification. <i>PLoS ONE</i> , 2015 , 10, e0122873	3.7	1
4	Investigation of the tris(8-hydroxyquinoline) aluminum as a promising fluorescent optical material for in vitro bioimaging. <i>Optical Materials</i> , 2022 , 127, 112260	3.3	1

- 3 MicroRNAs and Regulation of Autophagy in Chondrocytes. *Methods in Molecular Biology*, **2021**, 2245, 179-194 1.4 0
- 2 On Classification of PDZ Domains: A Computational Study. *Mathematical Problems in Engineering*, **2013**, 2013, 1-9 1.1
- 1 Neuroscience and Neuroimmunology Solutions for Osteoarthritis Pain: Biological Drugs, Growth Factors, Peptides and Monoclonal Antibodies Targeting Peripheral Nerves. *NeuroSci*, **2021**, 2, 45-58 1.7